

IN THE CLAIMS

Please cancel claims 1-22 without prejudice.

Please add new claims 23-37 as indicated below.

1. – 22. (Cancelled).

23. (New) A computer system, comprising:

a housing for enclosing a plurality of heat producing elements including a first and second heat producing elements; and

a frame disposed within the housing, the frame having a plurality of thermal zones including a first and second thermal zones, and the first and second heat producing elements are disposed within the first and second thermal zones respectively,

wherein the housing includes a first plurality of inlets and outlets and a second plurality of inlets and outlets corresponding to the first and second thermal zones respectively.

24. (New) The computer system of claim 23, wherein the first and second inlets and outlets allow a first and a second air flows to remove the heat generated by the first and second heat producing elements respectively within the respective thermal zone.

25. (New) The computer system of claim 24, wherein the first and second air flows are provided by natural convection via the respective inlets and outlets associated with the first and second thermal zones.

26. (New) The computer system of claim 24, wherein the first and second air flows are provided by forced convection.
27. (New) The computer system of claim 26, further comprising a first fan and a second fan to individually provide the forced convection to the first and second thermal zones.
28. (New) The computer system of claim 24, wherein the first and second air flows enter the first and second thermal zones via the first and second pluralities of inlets respectively and exist the first and second thermal zones via the first and second pluralities of outlets respectively.
29. (New) The computer system of claim 24, wherein the first and second thermal zones are thermally controlled individually via the first and second air flows without interference.
30. (New) The computer system of claim 23, wherein the inlets are disposed on a first surface of the housing and the outlets are disposed on a second surface of the housing opposite from the first surface.
31. (New) The computer system of claim 23, wherein the first and second thermal zones have different thermal characteristics including different ambient temperatures.
32. (New) The computer system of claim 23, wherein the first and second thermal zones are substantially thermally isolated from each other, such that the first and second thermal zones are thermally controlled individually without interference.
33. (New) The computer system of claim 23, further comprising at least one divider to divide the housing into the plurality of thermal zones.

34. (New) The computer system of claim 23, wherein the plurality of the heat producing elements includes a processor, a peripheral device, a storage device, and a power supply.
35. (New) The computer system of claim 33, wherein each of the processor, peripheral device, storage device, and power supply is disposed in different thermal zones.
36. (New) A computer system, comprising:
a housing for enclosing a plurality of heat producing elements disposed within a plurality of thermal zones, each of the thermal zones are thermally controlled individually without interference,
wherein the housing includes a plurality of inlets and outlets disposed on opposite surfaces of the housing and allocated to the plurality of thermal zones to allow an individual air flow to remove the heat generated by the respective heat producing elements of the respective thermal zone via the respective allocated inlets and outlets.
37. (New) A computer system of claim 36, wherein each of the thermal zones is substantially thermally isolated from each other.